



Evaluating Fire Performance of Nail-Laminated Timber: Surface Flammability

<https://research.thinkwood.com/en/permalink/catalogue2094>

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Organization: FPInnovations

Year of Publication: 2019

Format: Report

Material: NLT (Nail-Laminated Timber)

Application: Wood Building Systems

Topic: Fire
Design and Systems

Keywords: Flame Spread
Fire Safety

Research Status: Complete

Summary:

The objective of this project is to establish fundamental fire performance data for the design and specification of NLT assemblies; this project specially addresses determining FSRs for NLT. The goal of this project is to confirm that NLT, when used as a mass timber element, has a lower FSR than standard thickness SPF boards when tested individually and flatwise. The project also considers how the surface profiles, design details, and the direction of an assembly might influence flame spread. This includes the evaluation of typical architectural features, such as a 'fluted' profile.

Online Access: Free

Resource Link

<https://library.fpinnovations.ca/en/permalink/fpipub52832>